

Human M-CSF ELISA Kit | M-CSF elisa kit

Human M-CSF PicoKine ELISA Kit

CATALOG #
AAA125322

REACTIVITY
Human

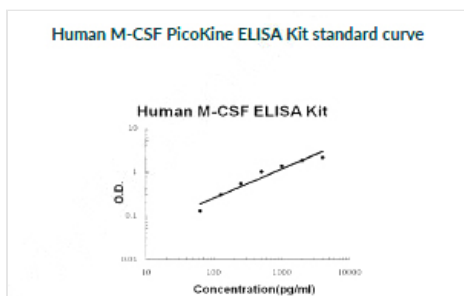
PRODUCT SYNONYMS

M-CSF; Human M-CSF PicoKine ELISA Kit; Human M-CSF; Macrophage colony-stimulating factor 1; CSF-1; MCSF; Lanimostim; Processed macrophage colony-stimulating factor 1; CSF1; M-CSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CSF1
Sequence Length	554
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva and urine
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for M-CSF elisa kit	Principle of the Assay: The Picokine™ Human CSF1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CSF1 with a 96-well strip plate that is pre-coated with antibody specific for CSF1. The detection antibody is a biotinylated antibody specific for CSF1. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CSF1 with immunogen: Expression system for standard: E.coli; Immunogen sequence: E33-S190. The kit is analytically validated with ready to use reagents. To measure Human CSF1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CSF1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CSF1 in the sample.!!Background/Introduction: M-CSF, also called CSF1, has a role in development of the placenta. Uterine CSF1 concentration is regulated by a synergistic action of estradiol and progesterone. CSF1 is produced by uterine glandular epithelial cells. It had been found that FMS, the CSF1 receptor, is expressed in placenta and choriocarcinoma cell lines1. The CSF1 gene is mapped to 1p21-p13 and contains 10 exons and 9 introns spanning 20 kb2. And there are 2 forms of CSF1, with 224 and 522 amino acids, resulting from alternative splicing3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	181135
NCBI GeneID	1435
UniProt Accession #	P09603
NCBI Official Full Name	colony-stimulating factor (CSF-1)
NCBI Official Synonym Full Names	colony stimulating factor 1
NCBI Official Symbol	CSF1
NCBI Official Synonym Symbols	MCSF; CSF-1
NCBI Protein Information	macrophage colony-stimulating factor 1
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Gene Name	CSF1
UniProt Synonym Gene Names	CSF-1; M-CSF; MCSF
UniProt Entry Name	CSF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.